Abstract

The present invention provides methodology for carbon-nitrogen bond formation via vinyl or aryl amination. In the process of the invention, an sp^2 hybridized radical is reacted with an azomethine moiety to form pyrrolidine and indole compounds. The methodology provides a facile process for the synthesis of compounds having the pyrrolidine or indole subunit and is especially advantageous for compounds having acid or base labile functional groups and/or is comprised of chiral centers susceptible to acid/base epimerization.